

## **ABSTRACT**

A blue tooth ear piece includes a receiver device for attaching onto ears of users, and a talking device for talking phones. A circuit board includes a speaker and a microphone attached to the receiver  
5 device and the talking device. A temperature detector is attached to the receiver device for detecting body temperature of the users. The circuit board includes a temperature detecting circuit coupled between a CPU and the temperature detector, and a key coupled to the temperature detecting circuit to selectively operate the  
10 temperature detecting circuit to actuate the temperature detector to detect the body temperature of the users.